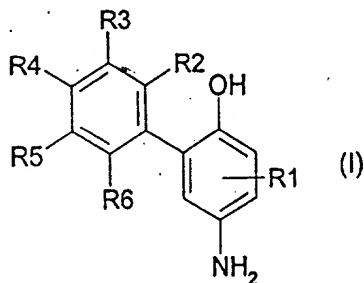


## PATENT CLAIMS

1. Colorants for oxidative dyeing of keratin fibers, particularly human hair, based on a developer-coupler combination, characterized in that it contains as the developer at least one 2-hydroxy-5-aminobiphenyl derivative of general formula (I) or a physiologically tolerated, water-soluble salt thereof



wherein

**R1** denotes hydrogen, a halogen atom, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl group, a C<sub>1</sub>-C<sub>4</sub>-alkoxy group or a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkoxy group;

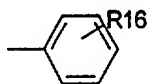
**R2, R3, R4, R5, R6** can be equal or different and independently of each other denote hydrogen, a halogen atom, a cyano group, a hydroxy group, a C<sub>1</sub>-C<sub>4</sub>-alkoxy group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkoxy group, a C<sub>1</sub>-C<sub>6</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-alkyl thioether group, a mercapto group, a nitro group, an amino group, an alkylamino group, a dialkylamino group, a trifluoromethyl group, a -C(O)H group, a -C(O)CH<sub>3</sub> group, a -C(O)CF<sub>3</sub> group, an -Si(CH<sub>3</sub>)<sub>3</sub> group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl group, a C<sub>3</sub>-C<sub>4</sub>-dihydroxyalkyl group, a -CH=CHR<sub>7</sub> group, a -(CH<sub>2</sub>)<sub>p</sub>-CO<sub>2</sub>R<sub>8</sub> group or a -(CH<sub>2</sub>)<sub>p</sub>R<sub>9</sub> with p = 1, 2, 3 or 4, a -C(R<sub>10</sub>) = NR<sub>11</sub> or C(R<sub>12</sub>)H-NR<sub>13</sub>R<sub>14</sub> group, or two adjacent R<sub>2</sub> to R<sub>6</sub> groups form an -O-CH<sub>2</sub>-O- bridge;

**R7** denotes hydrogen, a hydroxyl group, a nitro group, an amino group, a -CO<sub>2</sub>R<sub>12</sub> group or a -C(O)CH<sub>3</sub> group;

**R8, R10 and R13** can be equal or different and independently of each other denote hydrogen or a C<sub>1</sub>-C<sub>4</sub>-alkyl group;

**R9** denotes an amino group or a nitrile group;

**R11, R14 and R15** can be equal or different and independently of each other denote hydrogen, a hydroxyl group, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl group, a C<sub>3</sub>-C<sub>4</sub>-dihydroxyalkyl group or a radical of formula



**R12** denotes hydrogen, an amino group or a hydroxyl group, provided that the compound of formula (I) does not present a center of symmetry.

2. Colorant according to Claim 1, characterized in that **R1** denotes hydrogen.
3. Colorant according to Claim 1 or 2, characterized in that **R1** denotes hydrogen and four of the **R2** to **R6** groups denote hydrogen while the fifth group is hydrogen, a methyl group, an amino group, a hydroxyl group, a methoxy group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl group or a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkoxy group.
4. Colorant according to Claim 1 or 2, characterized in that all **R1** to **R6** groups denote hydrogen at the same time.
5. Colorant according to Claim 1, characterized in that four of groups **R2** to **R6** are hydrogen while the fifth group is hydrogen, a methyl group, an amino group, a hydroxyl group, a methoxy group, a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkyl group or a C<sub>1</sub>-C<sub>4</sub>-hydroxyalkoxy group.
6. Colorant according to one of Claims 1 to 5, characterized in that the 2-hydroxy-5-aminobiphenyl derivative of formula (I) is selected from among 2-hydroxy-5-aminobiphenyl, 2,4'-dihydroxy-5-aminobiphenyl, 2-hydroxy-5-amino-4'-(2"-hydroxyethoxy)biphenyl, 2,4'-dihydroxy-5-amino-2'-methylbiphenyl, 2-hydroxy-5-amino-4'-(2"-hydroxyethyl)biphenyl, 2-hydroxy-5,4'-diaminobiphenyl or a physiologically tolerated salt thereof.
7. Colorant according to one of Claims 1 to 6, characterized in that it contains the 2-hydroxy-5-aminobiphenyl derivative of formula (I) in an amount from 0.005 to 20.0 wt%.
8. Colorant according to one of Claims 1 to 7, characterized in that it has a pH of 6.5 to 11.5.
9. 2-Hydroxy-5-aminobiphenyl derivatives of formula (Ia) or a physiologically tolerated, water-soluble salt thereof